




Rabbit Anti-GPNMB antibody

SL2684R

Product Name:	GPNMB
Chinese Name:	GPNMB抗体
Alias:	NMB; Glycoprotein nmb like protein; Gpnmb; DC-HIL; Dchil; ipd; Glycoprotein (transmembrane) nmb; Glycoprotein nmb; HGFIN; Transmembrane glycoprotein; Transmembrane glycoprotein HGFIN; Transmembrane glycoprotein NMB; Osteoactivin; GPNMB_HUMAN.
文献引用 	<p>Specific References(5) SL2684R has been referenced in 5 publications.</p> <p>[IF=1.42]Ruan, Wei-Min, et al. "Differential expression of glycoprotein non-metastatic melanoma protein B (GPNMB) involved in trichostatin A-induced apoptosis in gastric cancer." International journal of clinical and experimental medicine 7.12 (2014): 4857-4866.IHC-P;Human. PubMed:25663982</p> <p>[IF=4.60]Abdelmagid, Samir M., et al. "Mutation in Osteoactivin Promotes RANKL-Mediated Osteoclast Differentiation and Survival, but Inhibits Osteoclast Function." Journal of Biological Chemistry (2015): jbc-M114.WB;Mouse. PubMed:25837253</p> <p>[IF=3.84]Arosarena, Oneida A., et al. "Osteoactivin Promotes Migration of Oral Squamous Cell Carcinomas." Journal of Cellular Physiology (2016).WB;Human. PubMed:26636434</p> <p>[IF=1.72]Frara, Nagat, et al. "Growth and repair factors, osteoactivin, matrix metalloproteinase and heat shock protein 72, increase with resolution of inflammation in musculotendinous tissues in a rat model of repetitive grasping." BMC Musculoskeletal Disorders 17.1 (2016): 1.WB;Rat.</p>

	<p style="text-align: right;">PubMed:26781840</p> <p>[IF=0.00] Sondag, Gregory R. OSTEOACTIVIN AND CD44: A NOVEL INTERACTION REGULATING BONE CELL DIFFERENTIATION AND FUNCTION. Diss. Kent State University, 2015. WB;Mouse.</p> <p style="text-align: right;">PubMed:000</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Pig, Cow, Horse, Guinea Pig,
Applications:	WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	61kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GPNMB:81-180/572<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Function: Could be a melanogenic enzyme.</p> <p>Subcellular Location: Membrane; Single-pass type I membrane protein (Potential). Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.</p> <p>Tissue Specificity: Not restricted to the melanocytic lineage.</p>

Similarity:

Belongs to the PMEL/NMB family.
Contains 1 PKD domain.

SWISS:

Q14956

Gene ID:

10457

Database links:

[Entrez Gene: 10457](#)Human

[Entrez Gene: 93695](#)Mouse

[Entrez Gene: 113955](#)Rat

[Omim: 604368](#)Human

[SwissProt: Q14956](#)Human

[SwissProt: Q99P91](#)Mouse

[SwissProt: Q6P7C7](#)Rat

[Unigene: 190495](#)Human

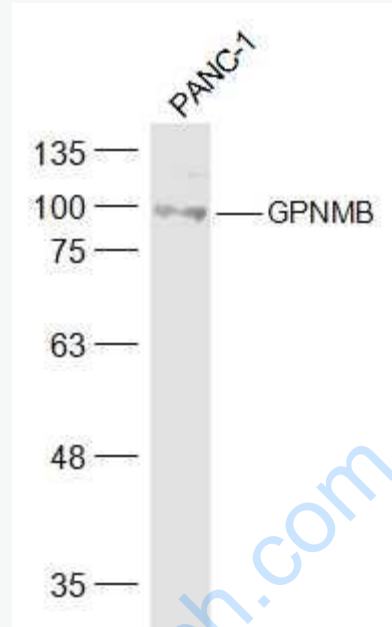
[Unigene: 302602](#)Mouse

[Unigene: 13778](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

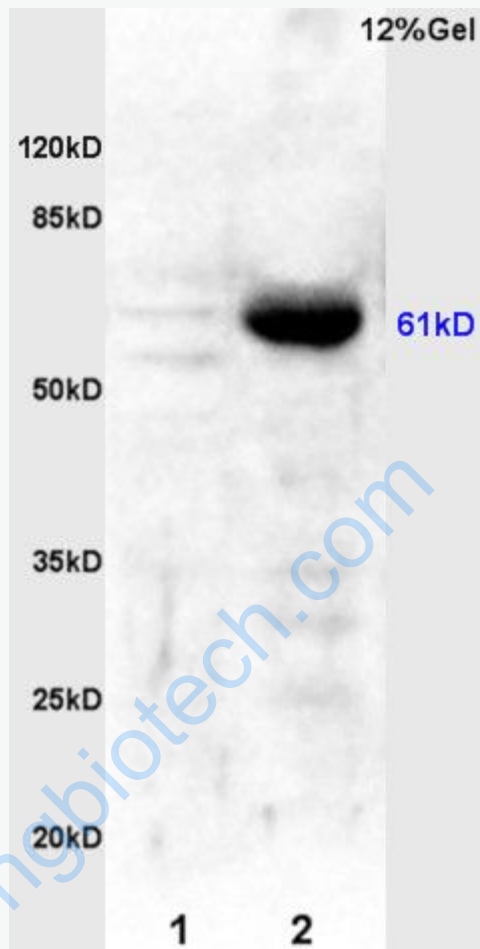
PANC-1(Human) Cell Lysate at 30 ug

Primary: Anti-GPNMB (SL2684R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 101 kD



Sample:

Lane1: Liver(Rat) Lysate at 30 ug

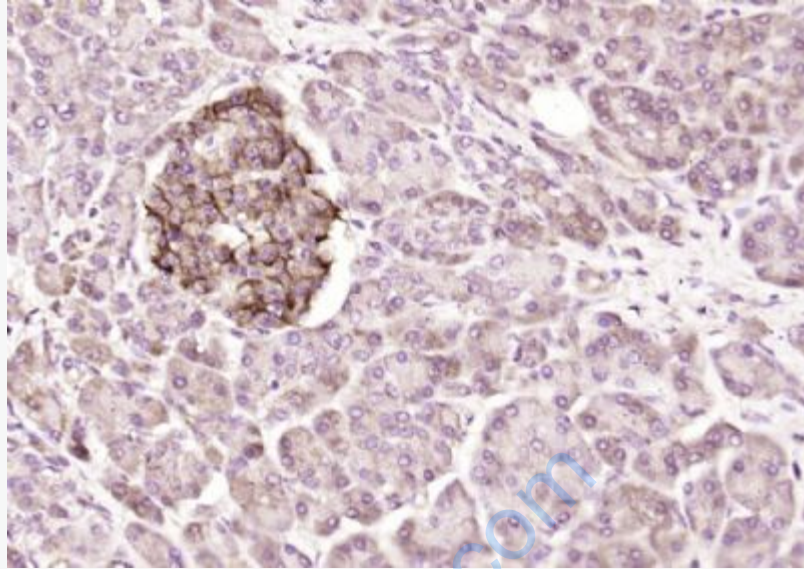
Lane2: Colon carcinoma(Human) Lysate at 30 ug

Primary: Anti-GPNMB/Osteoactivin (SL2684R) at 1:200 dilution;

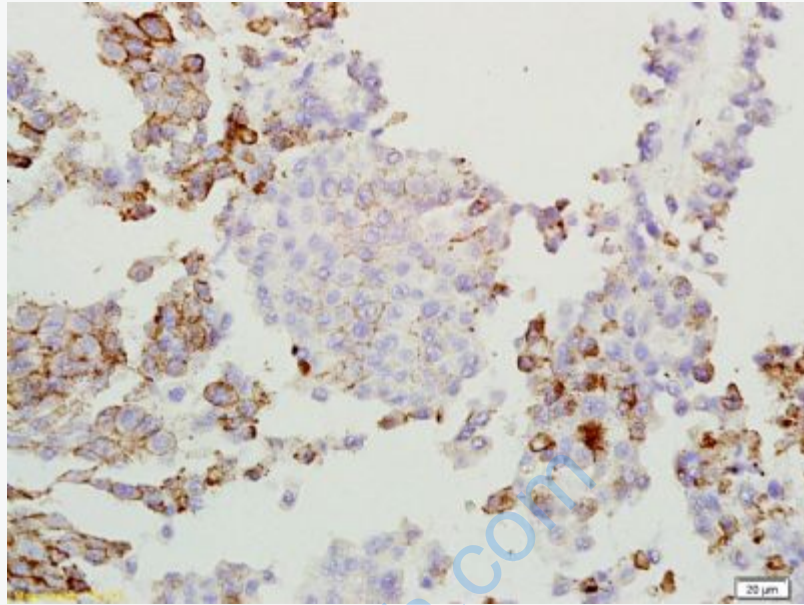
Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL2684R) at 1: 3000 dilution;

Predicted band size : 61kD

Observed band size : 61kD



Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GPNMB) Polyclonal Antibody, Unconjugated (SL2684R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat lung tissue(melanoma); 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GPNMB/Osteoactivin Polyclonal Antibody,

Unconjugated(SL2684R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining